



General State Permit Update for Emergency Generators NH Hospital Association June 4, 2015

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NH Dept. of Environmental Services, Air Resources Division

Presentation Overview

1. Emergency Generators/Engine
2. Permit Requirements
3. General State Permit
4. New Changes to Reporting and Fees

What is an Emergency Engine?

- Engine used during emergency situations:
 - To produce power when primary power to facility is unavailable (i.e. emergency generator)
 - To pump water in the case of a fire or flood (i.e. fire pump)
- Emergency Demand Response Program with local utility (not peak shaving)



Usage Limitations

- Maximum of 500 hours per year total
- 100 hours per year for maintenance and readiness testing and Emergency Demand Response



Permit Required?

- Liquid fuel (i.e. diesel) engines

Heat Input =
1.5 MMBtu/hr

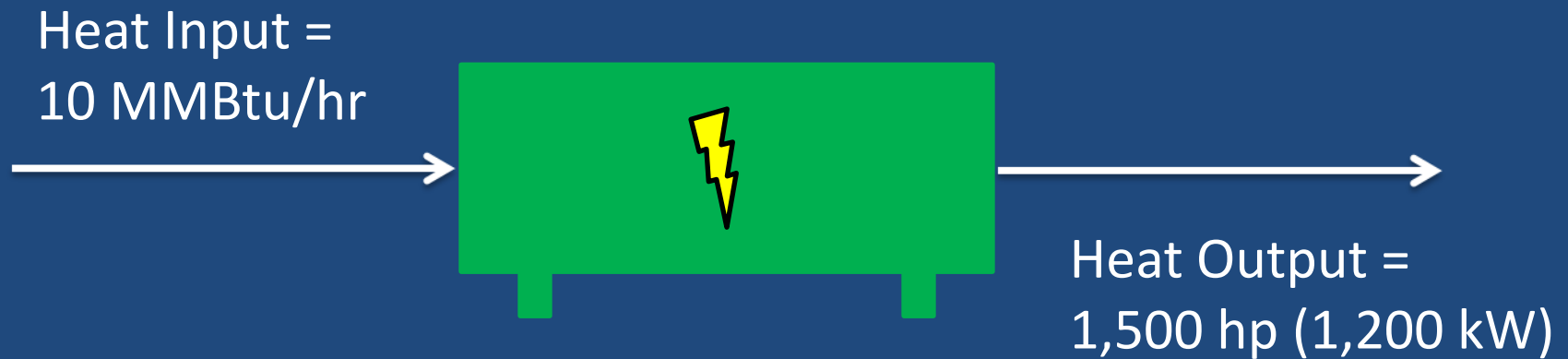


Heat Output =
200 hp (150 kW)

Roughly 11 gal/hr of fuel
consumption at 100% load.

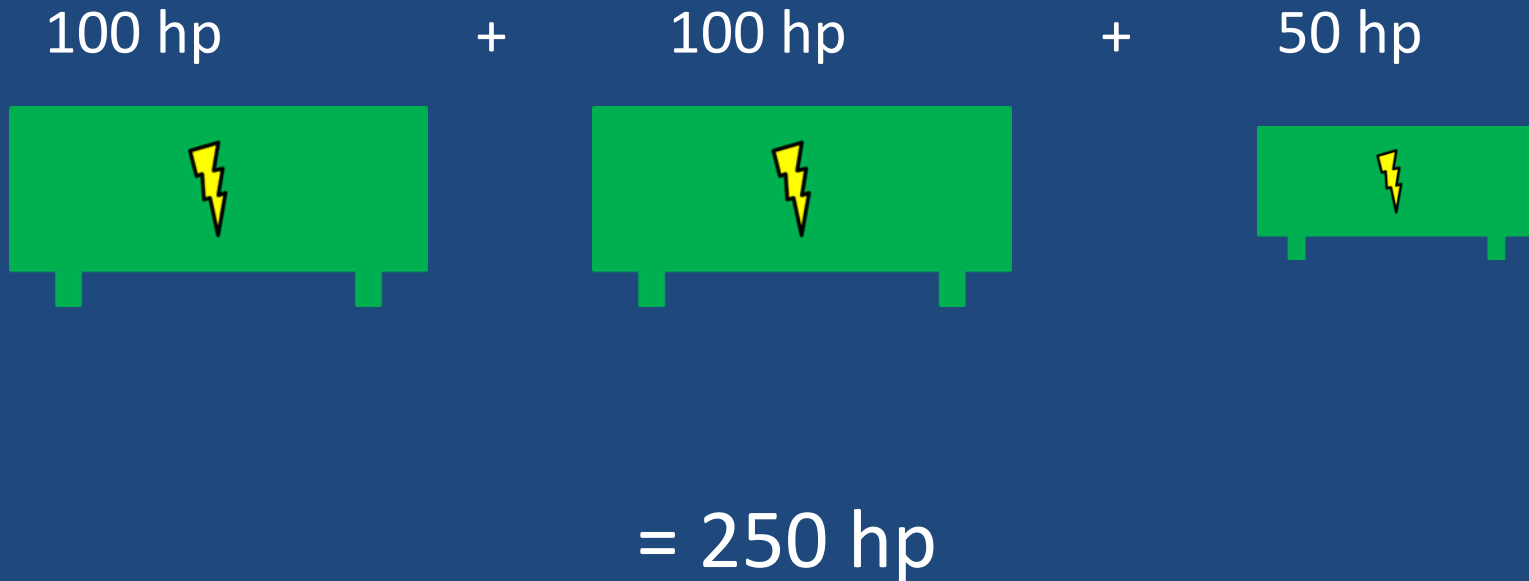
Permit Required?

- Gaseous fuel (i.e. propane) engines



Permit Required?

- Thresholds are cumulative



WHISPERWATT DIESEL POWERED AC GENERATOR

MODEL DCA-600SSK

SERIAL NO. 3699247

AC GENERATOR

MODEL DF-6600

PHASE 3 PHASE (4 WIRES)

FREQUENCY 60 HZ

RATED OUTPUT 600 KVA

RATED VOLTAGE 240/480 V

RATED CURRENT 1443/722 A

P.F. 0.8

Class F Insulation System

ENGINE

MODEL KOMATSU SA6D170AE-1

TYPE 6 CYL. 4 CYCLE

RATED OUTPUT 688HP 1800 RPM

DISPLACEMENT 23150 CC

FUEL TANK CAP. 129 GAL

GEER
#2110

Manufactured for MQ POWER CORP. by Denyo Co., Ltd.
MADE IN JAPAN



MQ POWER CORP.

A division of Multiquip Inc.
CARSON, CALIFORNIA

C41130291

Status of the GSP for Emergency Engines

- New GSP was reestablished on 4/30/2015.
- New GSP expires 4/30/2020.
- Sources covered by the old GSP were notified by e-mail and postcard that GSP was reestablished.
- Sources wishing to be covered by the new GSP have until **July 29, 2015** to re-register for the GSP.

Air Permitting for Stationary Sources

General State Permit for Source Category: Internal Combustion Engines – Emergency Generators or Fire Pump Engines

An owner or operator applying for a General State Permit for Internal Combustion Engines – Emergency Generators or Fire Pump Engines may choose to comply with the terms and conditions of the General State Permit instead of obtaining a State Permit to Operate.

Purpose

To regulate and limit air emissions from emergency engines to achieve and maintain air quality in New Hampshire.

Applicability

This General State Permit (GSP) covers internal combustion engines used to produce electricity through a generator or to produce mechanical power for fire pumps located at non-Title V facilities that:

- Meet the permitting threshold applicability of [Env-A 607](#);
- Are certified to meet USEPA emission levels for [newer compression ignition engines](#) or [newer spark ignition engines](#) if applicable;
- Operate strictly within the USEPA and NHDES definition of an [emergency engine](#).

Statute and Administrative Rules

[RSA 125-C:11](#) Air Pollution Control/Permit Required

[RSA 125-C:12](#) Air Pollution Control/Administrative Requirements

[RSA 125-C:13](#) Air Pollution Control/Criteria for Denial; Suspension or Revocation; Modification

Env-A 101.661 Definitions/Emergency Generator ([Env-A 100 Organizational Rules](#))

Env-A 610 General State Permits and General Permits Under Title V ([Env-A 600: Statewide Permit System](#))

Env-A 620 Procedures for Establishing and Reestablishing General State Permits ([Env-A 600: Statewide Permit System](#))

Application

Applicants can choose from either the electronic or paper application methods.

- [OneStop Data and Information Air E-Permitting Application System](#): The Air E-Permitting system allows owner or operators of emergency engines to register for a GSP, add or remove engines to their list of emergency engines covered by their existing GSP, or make changes to the facility name or contacts. NHDES is strongly encouraging all GSP applications to be submitted electronically. The use of Air E-Permitting will make the submission, review and approval of applications more efficient and timely.
- [Paper registration package](#) – Applicants who choose to submit a paper registration package must submit two (2) forms:
 - ARD-1 General Facility Information
 - GSP-2 Internal Combustion Engine – Emergency Generators or Fire Pump Engines (1 for each engine)



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DES News

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➤ May 22, 2013

Updated Information On Chlor-Alkali Superfund Site In Berlin, N.H.; Public Community Meeting Will Be Thurs. May 29

➤ May 22, 2013

Contaminant Found In Pease Tradeport Water

NHDES Accepting Pre-Applications For Drinking Water, Wastewater, Stormwater And Nonpoint Source Projects

➤ May 19, 2014

Coastal Oil Spill Response Open House May 31, Pease Trade Port, Portsmouth

➤ May 13, 2014

Public Information Meeting - The N.H. Department Of Environmental Service And The N.H. Fish And Game Department Will Hold A Public Information Meeting To Discuss The Dam And Fishery At Cass Pond On May 22, 2014

➤ May 8, 2014

Green Your Fleet! Petroleum Reduction Workshop June 6th

DES Calendar

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The Department

- Commissioner's Office
- Air Resources Division
- Waste Management Div.
- Water Division
- Boards and Committees

Quick Links

- Administrative Rules
- Air Quality Forecasting
- Certification/Training
- Directions to DES

OneStop Data and Information


Air E-Permitting

DES is proud to announce a new and enhanced Air E-Permit application system to aid in the application process for current and future air permit holders for a limited list of air permits and notifications. For a complete list, please visit the [air permits page](#). Below is a list of permits and notifications for which facilities can apply via the Air E-Permit application system.

One Stop Data Provider



OneStop Data and Information is an online, searchable database comprised of environmental information and data compiled by DES programs. In addition, OneStop is where the owners or operators of NH companies subject to certain air permit programs can submit information as part of the Air E-Permit application system.

To use the Air E-Permit application system on OneStop, applicants must first be registered to be a "OneStop Data Provider". If you have any questions regarding becoming an OneStop Data Provider and obtaining passwords and PIN, please contact Andrew Cornwell at (603) 271-6974 or andrew.cornwell@des.nh.gov.

- [Instructions for Becoming a OneStop Data Provider](#) 
- [One Stop Data Provider New User Registration](#)
- [One Stop Data Provider Login In](#)

Air Permitting

Currently, this feature allows sources to update facility information, apply for a general state permit and request a limitation on potential to emit. To apply for a Temporary Permit, a State Permit to Operate or a Title V permit visit the [Air Permitting for Stationary Sources](#).

- *Administrative Amendment – Update Facility Information*
The Administrative Permit Amendment process allows permit holders to submit up-to-date facility and contact information. If you need help on this feature, please contact Barbara Dorfschmidt at the Air Resources Division, Permitting and Environmental Health Bureau, at (603) 271-6796 or Barbara.Dorfschmidt@des.nh.gov.
 - [Instructions for Administrative Amendment](#) 
- *General State Permits – Emergency Generators*
Sources can submit applications electronically for the General State Permit (GSP) for owners of Emergency Generators. If you need online application help, please contact Anne Bailey at the Air Resources Division, Permitting and Environmental Health Bureau, at (603) 271-6828 or Anne.Bailey@des.nh.gov.
 - [Instructions for Re-registration of the General State Permit \(Online Process\)](#) 
 - [Stationary Engines: Prime Power and Emergency](#)
 - [GSP for Internal Combustion Engines Used as Emergency Generators](#)

Fee Change for General State Permit

- GSP Registration fee (new for 2015)
- Renewals registration fee = \$1,279.20
- No longer required to submit annual report or pay annual fee
- Due within 30 days of submitting your GSP application



Transferability

Within thirty (30) days of any change of the owner or operator, the new owner or operator shall submit to NHDES a request for an Administrative Amendment. This can be accomplished in one of two ways.

- [OneStop Data and Information Air E-Permitting Application System](#): Follow the instructions for an Administrative Amendment.
- [Paper registration package](#): Applicants who choose to submit a paper registration package for an Administrative Amendment must submit an ARD-1 General Facility Information form.

Once this submittal is received, DES will issue a letter of approval with a copy of the GSP or a letter of disapproval with the reason for disapproval.

Appeals

Any person aggrieved by the final decision may file an appeal to the [Air Resources Council](#) within 30 days of the final decision in accordance with [RSA 125-C:12 III](#) and [Env-AC 200](#)

Status of a Current Application

[Air Stationary Sources Search](#)

More Information

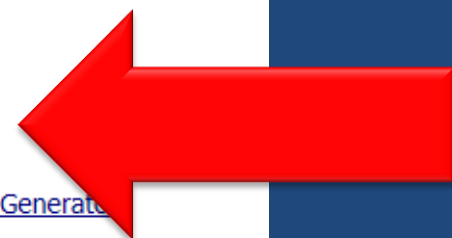
- [General State Permit, Source Category: Internal Combustion Engines Used as Emergency Generators](#) 
- [Understanding Your General State Permit for Emergency Engines](#) 
- [General State Permit Application Review Summary](#) 
- [Further Information on Stationary Emergency Engines](#)
- [Air Permitting for Stationary Sources](#)
- [Frequently Asked Questions About New Hampshire's Air Permit Program](#)  (Fact Sheet ARD-17)

If the existing or proposed generator includes an integral fuel storage tank, then the registration and construction approval requirements of the NH Code of Administrative Rules, Env-Or 300, Aboveground Petroleum Storage Facilities may apply.

- [Aboveground Petroleum Storage Tank Facility Registration](#)
- [Construction of New and Substantially Modified Aboveground Petroleum Storage Tank System Approval](#)

Contact Us

Barbara Dorfschmidt at barbara.dorfschmidt@des.nh.gov or (603) 271-6796; or [Contact Us](#).



Don't Forget About Your Fuel Storage Tank

Single tank > 660 gallons

Multiple tanks > 1,320 gallons

Registration and installation
requirements through Waste
Management Division

Contact Aboveground
Storage Tank Program at
271-3899



Contact Information

Cathy Beahm – (603) 271-2822
catherine.beahm@des.nh.gov

General State Permit for Emergency Generators

Anne Bailey – (603) 271-6828
anne.bailey@des.nh.gov

